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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,234	01/23/2004	Tsung-Yi Tseng	BHT-3167-177	4507

7590 09/07/2006  
BRUCE H. TROXELL  
SUITE 1404  
5205 LEESBURGE PIKE  
FALLS CHURCH, VA 22041

EXAMINER

FRECH, KARL D

ART UNIT	PAPER NUMBER
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2876

DATE MAILED: 09/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/762,234

**Applicant(s)**

TSENG ET AL.

**Examiner**

Karl D. Frech

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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1. Applicant's Request for Continued Examination, filed 6/28/06 has been entered.

The arguments filed therewith have been fully considered.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hollingsworth et al US 2003/0200379A1 in view of Mambakkam et al US 2003/0093606. Hollingsworth discloses that a computer BIOS searches for a boot disk to allow an operating system to be loaded from the disk. It is disclosed that the disk may be connected via a USB [0024]. It is disclosed that the operating system may be held in a flash memory storage [0019], [0026]. It is disclosed that the BIOS searches for a boot device through the USB [0030]. Hollingsworth does not disclose that the USB device

supports at least two types of flash media. Official Notice is taken that USB devices containing support for at least two types of flash media formats is old and well known. (It is noted that this holding of Official Notice is repeated from the previous Office Action, and that this holding of Official Notice was not traversed in response to the previous Office Action. Therefore, this holding of Official Notice is set as admitted prior art.) It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the multi-format flash media reader in the system of Hollingsworth in order to allow multiple formats of flash media to be used, thereby increasing the versatility of the system. One example of a multi-format flash media would be the HP 7550 series photo printer that was on the market at least before 1/29/03. This printer is connected to the main processor via USB and is capable of reading smart media cards, compact flash cards and Memory Stick <sup>TM</sup>. Hollingsworth does not specifically disclose that the reader is a multi-card reader as now claimed. Mambakkam discloses a multi-card reader. See for example figures 3A, 3B and the associated written description. It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the system of Hollingsworth with a multi-card reader of Mambakkam. This would allow the system of Hollingsworth to accept and read cards of different standard formats, thereby increasing the system's versatility.

5. Applicant's arguments filed 6/28/06 have been fully considered but they are not persuasive. Applicant argues that the combination of Hollingsworth, Mambakkam and Official Notice (now considered admitted prior art) does not reasonably suggest uploading an operating system from a memory card USB device, from any of a plurality

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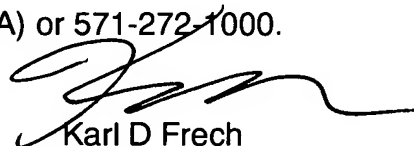
of USB reader devices, into a processor. The examiner respectfully disagrees. As seen in the rejection above Hollingsworth discloses loading BIOS through a USB device. The Official Notice presents that multiple formats of USB devices being supported is old and well known. Mambakkam discloses a multi-card reader. All three of these are prior art as they predate the current applications filing date. Therefore, in light of the three teachings, the examiner maintains that one of ordinary skill in the art would find it obvious to combine the three teachings for each of their individual benefits in a manner which fully encompasses the current claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl D. Frech whose telephone number is (571) 272-2390. The examiner can normally be reached on maxi-flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Karl D Frech  
Primary Examiner  
Art Unit 2876

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